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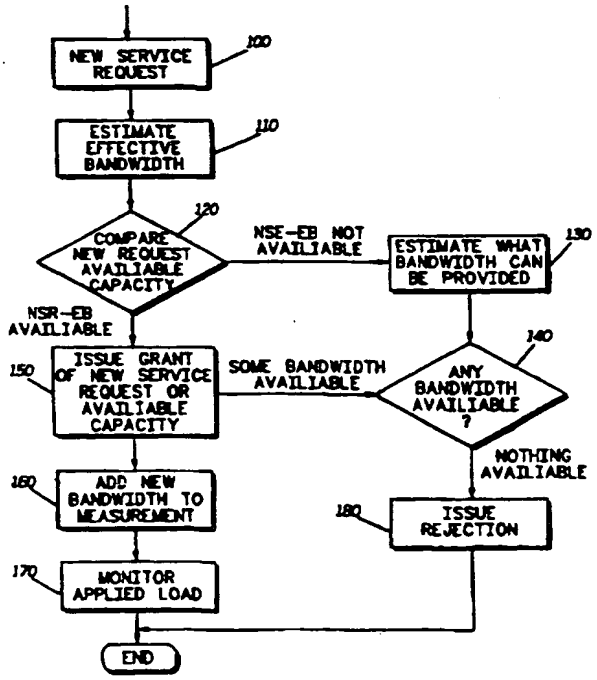
(54) Abstract Title
Method for an admission control function for a wireless data network

(57) A method for allowing new traffic on a wireless data network. A service request is received from a mobile station (100). An effective bandwidth of the service request is estimated (110) using a recursive estimator (400). If there is enough surplus capacity on the wireless data network to accommodate the service request, the service request is granted. In response, a discrete adjustment, based on the effective bandwidth, is applied (160) to the recursive estimator (400).



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